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HORTICULTURE

UNIVERSITY OF WASHINGTON COLLEGE OF FOREST RESOURCES **WINTER** 2003

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Seattle Municipal Archives

Celebrating the Centennial of Seattle's Olmsted Park System

KARI STILES, EXECUTIVE DIRECTOR, FRIENDS OF SEATTLE'S OLMSTED PARKS

A century ago, city officials, community leaders and the citizens of Seattle recognized the value of their spectacular natural landscape. They invited the top landscape architectural firm in the country to design a city-wide park system that would celebrate, showcase and protect the spectacular Pacific Northwest landscape while providing access and opportunities for all of Seattle's citizens to experience and enjoy their extraordinary natural environment. John Charles Olmsted, of the Olmsted Brothers firm of Brookline, MA. and stepson of Frederick Law Olmsted, arrived to survey the Seattle area in the spring of 1903. By October the firm had prepared plans and recommendations for a comprehensive system of parks and boulevards that has achieved national recognition as one of the most fully-realized Olmsted park systems in the country.

The Olmsted legacy includes such familiar Seattle treasures as Washington Park and the Washington Park Arboretum, Lake Washington, Ravenna and Magnolia Boulevards, and Volunteer, Woodland, Green Lake and Seward Parks, as well as over 30 other Seattle area parks and boulevards. Even today, we are still acquiring and developing parklands recommended by the Olmsted plan 100 years ago. For example, the original plan recommended four parks along Lake Union. Within the last 25 years the city has acquired Gas Works Park, Fairview Park and most recently, South Lake Union Park.

The Olmsted plan looked forward 100 years to provide open space for a city of 500,000. Seattle has now reached that mark, and today's challenge is not only to protect and preserve our century-old legacy but also to carry the Olmsted philosophy into the next 100 years of landscape design and planning in order to ensure the preservation of open space in the century to come.

Olmsted Centennial Celebration

The Friends of Seattle's Olmsted Parks (FSOP), Seattle Parks and Recreation Department, the Center for Urban Horticulture and over 35 entities are organizing a year-long series of events that will provide opportunities for community members and professionals to learn about and *(continued on page 3)*

CENTER *for* URBAN HORTICULTURE

The new Merrill Hall still needs your support! For more information on our Merrill Hall [illegible] the web site at www.urbanhort.org or phone 206-685-8033 for more information.

SPECIAL EVENTS

TEN TIPS TO KEEP YOUR TREES HEALTHY

Chris Pfeiffer, horticulture consultant and former Arboretum horticuturist, will speak on cultural practices that ensure a long and healthy life for the trees in your landscape.

HEALTHY ROSES, CHERRIES, RHODIES: IS IT POSSIBLE?

Sharon Collman, IPM Outreach Coordinator for EPA Region 10, will speak with zest, humor, and enthusiasm on ways to manage these pest and disease prone plants.

PLANTING TECHNIQUES FOR LONG-LIVED TREES AND SHRUBS

Linda Chalker-Scott, Associate Professor of Landscape Science and Plant Management at CUH, will describe techniques to plant woody trees and shrubs to maximize their survival and well-being.

DESIGNING THE HEALTHY GARDEN

Daniel Winterbottom, Associate Professor of Landscape Archtecture at UW, will focus on designing gardens to promote plant health and well-being of the gardener.

PROVEN PLANTS FOR EASY-CARE GARDENS

Librarian and garden writer Val Easton will discuss her favorite grasses, perennials, shrubs and trees and how to use them to form the backbone of an easy-care, environmentally-considerate home garden.

Heronswood Nursery will open to the public from 10 a.m. to 3 p.m. on Saturday February 15, with an admission price of $7.50 per person, to benefit the Elisabeth C. Miller Library. Dan Hinkley will speak on hellebores and related topics, docents will assist as you wander through the winter gardens of Heronswood, and hellebores from the nursery breeding program will be for sale. For more information, phone 360-297-4172 or visit their website at *www.heronswood.com.*

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celebrate Seattle's Olmsted legacy and its contribution to the development of the Seattle urban landscape. Some of the 2003 event highlights include specific parks projects such as the Seattle Park Foundation project to restore the Volunteer Park lily ponds, the EarthCorps IvyOUT project in Olmsted landscapes, the Days in the Parks summer neighborhood park event series, and the National Association for Olmsted Parks annual conference in May. Throughout 2003 there will be events in Olmsted landscapes including walks, lectures, bicycle tours, work projects and community celebrations.

For information about participating in or contributing to the Olmsted Centennial Celebration or the Seattle 2003 conference, you can reach FSOP by email at *seattle2003@olmsted.org*, by phone at 206-332-9915 or 206-250-5859, or visit us on the web at *www.seattle.gov/friendsofolmstedparks*.

More information about Seattle's Olmsted parks can be found on the Seattle Parks and Recreation park history website, *http://www.pan.ci.seattle.wa.us/parks/parkspaces/olmsted.htm*, and at the Olmsted Interpretive Exhibit at the water tower in Volunteer Park and the National Association for Olmsted Parks website: *www.olmsted.org*.

Olmsted
1903 CENTENNIAL 2003
CELEBRATING OUR OLMSTED LEGACY

"I do not know of any place where the natural advantages for parks are better than here". JC Olmsted upon his first visit to Seattle in May, 1903.

The Arboretum's Olmsted Heritage

by John Wott, Director of Washington Park Arboretum

In 1934, James Dawson was contracted through the generous donation of $3000 from the Seattle Garden Club to design a plan for the new Arboretum. He arrived in Seattle in November 1934 and made copious notes on top of the plan of Washington Park that the firm had used in 1905. Shortly thereafter, a news article stated that a taxonomic arrangement would be the basis of the plan, much as the Arnold Arboretum. The finished plan, signed by James Dawson and Frederick Law Olmsted, Jr, arrived in 1936. Dawson was most enthused about Azalea Way, which would consist of a grassy promenade of cherries, dogwoods, and azaleas. He boastfully wrote that the planting "would certainly knock the famous Cherries along the river in Washington (D.C.) in the eye".

To celebrate the centennial, Washington Park Arboretum is noting it in several ways. The Signature Bed, outside of the Graham Visitors Center, is being planted with plants most often seen in the Olmsted plans. Also the Arboretum Garden in the Northwest Flower and Garden Show will depict Olmsted plantings, the Arboretum Foundation will feature an Olmsted speaker in March, and a walking tour of Azalea Way is planned for May.

Seattle Municipal Archives

Olmsted Describes Northwest Landscape

John Charles Olmsted penned a letter to his wife on May 16, 1903 describing the Puget Sound landscape. Below is an excerpt (courtesy of the Francis Loeb Library at Harvard University):

.....The apple trees and other fruits are about done blooming now. Lilacs are in full bloom but I don't see as many big ones as we have. The blackberries, especially a low creeping one, are making a good show in banks in pastures and neglected places. The flowering dogwood is at its best and some trees make a tremendous show. The tree is generally much larger than ours and not so horizontal in branching. The mountain ash is in full bloom and so is the madrone. This last is evergreen. It is something like the evergreen magnolia we saw in the south but the leaves are smaller and a little paler and between the kalmia and rhododendron in size and shape. It is quite common in woods but seems never to be transplanted. Its bark is very smooth when the old part falls off, smelling as the sycamore does, and is a pale greenish scarlet verging toward salmon color. How's that for a color? It is so smooth, that boys always cut their initials on it; it is ordinarily like a dogwood in size but some left from woods are 18" or 2 feet in diameter and 50 or 75 feet tall. Jones photoed two large ones last Sunday for me. I must remember to send you some bark.

Ever your loving husband, John

News from CUH and WPA

Search for Plants via Library Website

Let the Miller Library help you search for a favorite plant that just can't be found at local nurseries. By going to *www.millerlibrary.org* > *Resource Center* > *Sources for Plants,* a range of plant finding tools for gardeners are available using the Internet, or from the library's collection. Learn about a search engine devoted to mail-order catalogs, how to zero in on native plant nurseries, and find a book devoted to heirloom vegetable seeds.

Urban Forestry Symposium Planned for March, 2003

On March 13 and 14, 2003, CUH will host a symposium titled "Tools and Techniques to Manage the Urban Forest." Local and national speakers will address topics such as economics and the urban forest, urban wildland fires, the human dimensions of urban forest management, effects of global climate change, urban design in the era of endangered salmon, the Citrus Longhorn Beetle, and others. Co-sponsors include the UW College of Forest Resources, City of Bellevue, WA State DNR, and City of Seattle. Check the CUH website at *www.urbanhort.org* for a schedule, list of speakers, and for registration information.

Monica Ravin Resigns from Arboretum

WPA Education Coordinator Monica Ravin resigned in November to follow her husband to a new job in Arizona. Monica worked at the Arboretum for three years and ran the very successful Saplings Program that brought 2,500 elementary school children to the Arboretum each spring. We wish her the best of luck!

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McVay Courtyard is Renovated

You may have noticed some landscape improvements recently in the McVay Courtyard. New plants came in, some old plants went out, and other plants got a make-over, resulting in a refurbished garden that follows the original design while providing additional year-round interest.

The original intent of the McVay Courtyard, designed in 1985, was to provide a display of reduced maintenance ornamental grasses and grass-like plants together with companion plantings of trees and shrubs. The fernleaf fullmoon maples (*Acer japonicum* 'Aconitifolium') grew robustly and eventually shaded out many of the ornamental grasses. In addition, children were being tempted to climb on the boulders and hang from the trees.

Ray Larson, CUH graduate student and facilities coordinator, developed a curatorial plan that would rejuvenate the garden and discourage young visitors from climbing the trees. In the summer of 2002, volunteers Wendy DesCamp and Judy Duncan helped Larson renovate the site and install the new plants.

Five new ornamental grasses were added, including orange sedge *(Carex testacea)* and golden wood rush (*Luzula sylvatica* 'Aurea'). A blue leaved, fall flowering mahonia *(Mahonia piperiana)* was planted, as was a grouping of *Hosta* 'June', a sport of *Hosta* 'Halcyon' that was part of the existing plantings. Expanded plantings of black mondo grass were added to provide further color and texture. Our native cascade Oregon grape (*Mahonia nervosa*) was interplanted with existing sword ferns under the maples, and combined with a grouping of the fragrant winterbox *(Sarcococca ruscifolia)*. Come by and see what has changed during your next visit to the Center!

Plant Answer Line

The Plant Answer Line is open from 9 a.m. until 5 p.m. Monday through Friday. Call UW PLANT, 206-897-5268, or e-mail your question to:
hortlib@u.washington.edu

QUESTION: I am about to start a garden design project in Seattle on Puget Sound waterfront property. Does the city, county or state have guidelines or regulations about plant selection and if so, where can I find that information?

ANSWER: The City of Seattle's Department of Construction and Land Use (DCLU) "Director's Rule 13-92" provides a comprehensive description of landscape requirements for public and private property. The document can be accessed at *http://www.ci.seattle.wa.us/dclu/Codes/dr/DR1992-13.pdf.*

DCLU's "Client Assistance Memo-234" provides, among other things, landscaping responsibilities of various City Departments and lists of recommended plants. It can be viewed at *www.ci.seattle.wa.us/dclu/Publications/cam/cam234.pdf.*

Lastly, the City of Seattle Landscape Architect's Office reviews the design of landscaping for private developments. Their website is *www.ci.seattle.wa.us/td/landarch.asp.*

QUESTION: My lawn care company wants to kill some insects in our fruit trees with an insecticide, but I'm not convinced that they are harmful. They look exactly like brown lady bugs to me. Is there such a thing as a brown ladybug?

ANSWER: Yes, there is a brown ladybug—the *Hippodamia tredecimpunctata tibialis* and, as most lady beetles, it is considered beneficial. Most species of lady beetles are among our most beneficial insects as they consume huge numbers of plant feeding insects—mostly aphids. This fact and their attractive appearance have contributed to the generally good opinion of them held by most people. For instance, the French call them *les betes du bon Dieu* or "creatures of the good God" and *les vaches de la Vierge* or "cows of the Virgin". The Germans call them *Marienkafer* or "Mary's beetles".

The appetite of lady beetles is quite remarkable. An adult female Convergent Lady Beetle may consume up to 75 aphids a day while the smaller male may consume up to 40. One larva may eat up to 350 aphids during its life span.

QUESTION: I want to find the best roses for my garden. What are the different classifications of roses and what are the advantages of each kind?

ANSWER: In recent years, several attempts have been made to pigeonhole all the rose varieties available into an array of different categories. There are three principal institutions that have attempted this exercise, all with varying degrees of success.

- **The World Federation of Rose Societies** has produced the most comprehensive, descriptive and wordy list. However, it has very little relevance to practical use.
- **The American Rose Society** has compiled a classification system that is closely allied to the requirements of exhibitors and compilers of rose show schedules.
- **The British Association Representing Breeders** has published a list that is very relevant to hybridists.

The Encyclopedia of Roses provides a simplified version of the World Federation of Rose Societies' system that has been specifically designed to help the ordinary person answer some basic questions about the size, shape, growth habit and flowering of popular roses.

SOURCES:

Botanica's Roses: The Encyclopèdia of Roses
foreword by David Austin; introduced by Tommy Cairns. New York: Welcome Rain, c1999.

For information on Arboretum events and programs, please call 206-543-8800 or visit the Foundation website at *www.arboretumfoundation.org*

Take a Seat!

The Arboretum Foundation's annual garden bench auction and competition returns to downtown Seattle with one-of-a-kind outdoor seating. Benches will be displayed at Pacific Place January 13 to February 15 and at the Northwest Flower and Garden Show February 19 to 23. Final bids accepted at the show at noon on Sunday, February 23.

Spectacles:
The 2003 NWFGS Preview Gala

Be the first to see 30 dazzling display gardens at one of the world's finest flower and garden shows. Enjoy a menu of favorite Northwest fare, beverages and a silent auction. Early entry, plated dinner and celebrity-led garden tours for patron and benefactor ticket holders. Tickets are $100 to $500. For tickets and information, call 206-325-4510.

Arbor-Read-Um Used Book Sale

Saturday March 1, 10 a.m. to 4 p.m.

Thousands of titles, categorized and sorted by author name; popular fiction, classics, gardening, science, children's books, collectibles and much more. Graham Visitors Center at the Arboretum.

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Greenhouse Plant Sales

Woody plants and garden favorites, propagated from the Arboretum collection at the Pat Calvert Greenhouse, just south of the Arboretum's Graham Visitors Center, are available daily between 10 a.m. and 4 p.m. Volunteers available to help with selection Tuesdays 10 a.m. to noon.

Hort News

Holiday Gift Idea

Searching for that perfect holiday gift? Give a CUH Gift Certificate, good towards registration for a class, talk, or tour. Simply call 206-685-8033 and order over the phone for the gardener in your life who wants to keep learning. Or give a tile to help rebuild Merrill Hall. Phone 206-685-8033.

NHS Lectures

January 8, 7:30 p.m., NHS Hall, CUH
"The New Organics" by Hendrikus Schraven

February 12, 7:30 p.m., NHS Hall, CUH
"French Garden Style for Northwest Gardens" by Linda Plato

March 12, 7:30 p.m., NHS Hall, CUH
"Floral Design for Spring and Summer Entertaining" by Raul Ramirez.

Robots Reduce Herbicide Use

A robotic device being developed by USDA could cut herbicide costs. The tractor-mounted machine contains an optical sensor that detects weeds so herbicides are sprayed just where needed, not uniformly over entire fields.Tractor operators must spend 5 to 10 minutes teaching the device to identify different weeds before it can be used. Research results are promising, but it could be several years before a commercial model is available.
http://www.ars.usda.gov/is/pr/2002/020826.htm

NEWS AND OPPORTUNITIES

Union Bay Opportunities:

CUH Reception Desk Volunteers Needed: Interact with visitors, faculty, staff, and students while helping out with phone calls and answering general questions. There are a few 3 to 4 hour shifts available. Call Ray Larson at 206-616-9113 for more information.

Union Bay Gardeners Wanted: Volunteers are needed to maintain the Union Bay Gardens located at the Center for Urban Horticulture. The gardens contain a variety of plant types ranging from vines and herbaceous perennials to native woody shrubs and trees. Seasonal maintenance tasks are performed throughout the year rain or shine, so workers will need to dress appropriately. Work may be performed individually or in small groups 3 to 4 hours per week. Please contact Barbara Selemon at 206-685-2613 or *selemon@u.washington.edu.*

Rare Care Monitors Needed: Rare Care will be training volunteers to monitor Washington's rare native plants this winter. Volunteer monitors will need some botanical training and a willingness to travel and hike. If interested, please fill out the application found on our web site: *http://depts.washington.edu/rarecare/RarePlantMonitoring.htm.* Volunteers will be selected in January and the training will be held March 8. Space is limited. Contact Laura Zybas with questions at 206-616-0780 or l*zybas@u.washington.edu.*

Work with Youth in Garden Sites: Come outside! Seattle Youth Garden Works is a non-profit organization looking for enthusiastic adults to work with our youth crews at garden sites in the University District and South Park. Have fun planting, maintaining, and harvesting crops while providing positive role models for homeless and at-risk youth. We are also looking for larger groups of volunteers to participate in work crews on service days. For more information, contact Shannon at 525-1213 x3133 or *volunteer@sygw.org.*

Jeannine Curry Remembered
Jeannine Curry, a long-time arboretum volunteer, passed away on October 16. Jeannine spent an untold number of hours at Arboretum plant sales, leading tours, or working at the receptionist desk. WPA Director John Wott spoke of her fondly when he said "Until recently, her pace was faster than those several generations younger." Jeannine charmed young and old alike with her French accent, having been born in France and serving in the French army in WWII. She was presented with the Brian O. Mulligan volunteer award in 1997 and was honored by President McCormick that same year as a special University of Washington volunteer.

Arboretum Opportunities:

WPA Information Desk Volunteers Needed: Greet visitors, share your enthusiasm, answer questions, and interact with staff and other volunteers in the stimulating environment at the Arboretum. Shift times are either half or whole days, once a week. If interested, please contact Brett Mercier at 206-543-8800.

Volunteers needed at the Arboretum:
Volunteers provide a vital source of support caring for Arboretum plant collections and managing invasive weeds. Become a regular Tuesday gardener every week from 12:30 to 3:30 p.m. Tasks will vary with the season. Community service groups are also encouraged to lend a hand in one of many areas needing attention. Many hands make light work. Work parties can be scheduled throughout the year. Please phone David Zuckerman at 206-328-4182.

AND PROGRAMS

Plant Shopping Made Easy

DATE AND TIME: *Tuesday, January 28, 7 to 8:30 p.m.*
INSTRUCTOR: *Tracy Mehlin, Elisabeth C. Miller Library staff*
LOCATION: *Douglas Classroom and the Miller Library, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; pre-registration required*

Resources are available ro find plants, seeds and bulbs from nurseries near and far. Explore the collection of beautiful and informative catalogs in the Miller Library's nursery catalog collection, learn about a free new Internet search engine devoted to searching mail-order catalogs, and see demonstrations of the Plant Information Online database that can search for over 70,000 plants. This lecture and hands-on class will help you find the sources for your must-have plants.

Geology and Plant Life

DATE AND TIME: *Thursday, January 30, 7 to 9 p.m.*
INSTRUCTOR: *Dr. Art Kruckeberg, UW Professor Emeritus of Botany*
LOCATION: *Douglas Classroom, CUH*
FEE: *$20*

Dr. Art Kruckeberg has written a new book titled "Geology and Plant Life: The Effects of Land Forms and Rock Types on Plants." In this lecture, he will discuss the role that landforms and rock types play in plant distribution and evolutionary diversification. Topics will include the influence of geology on plant growth, selection and diversity; the interrelationships between geology and environmental factors; and how plants respond to exceptional rock types and their soils. Dr. Kruckeberg is well-known for his research and writing on northwest native plants. His previous works include "Gardening with Native Plants of the Pacific Northwest" and "The Natural History of Puget Sound Country". He will be available to sign books after the lecture.

Botanical Illustration - Drawing

DATES AND TIMES: *5-part series: February 6, 13 and 27, March 6 and 13 from 7 p.m. to 9 p.m.*
INSTRUCTOR: *Louise Smith, Botanical Illustrator*
LOCATION: *Douglas Classroom, CUH*
FEE: *$110; pre-registration required*

Louise Smith, noted botanical illustrator, will introduce students to drawing and rendering botanical subjects in pencil. Course includes homework. Students should bring drawing paper, pencil and eraser to the first class where a more complete materials list will be provided. Some supplies are included as part of the course fee.

This course is designed as a self-contained unit or as an introduction to the Botanical Watercolor class to be offered during Spring Quarter.

Tour of WPA Winter Garden

DATE AND TIME: *Saturday, February 15, 10 a.m. to noon*
INSTRUCTOR: *Dr. John Wott, Director of WPA*
LOCATION: *meet at Graham Visitors Center, WPA*
FEE: *This tour is free*

Dr. John Wott, Director of theWashington Park Arboretum, will lead a tour through the Arboretum's Winter Garden. Wander through the twig garden with the yellow, red-twig and 'Midwinter Fire' dogwoods, enjoy the fragrance of honeysuckles and witch hazels, and admire the unusual barks of Stewartia and paperbark maples.

Rose Pruning Workshop

DATE AND TIME: *Saturday March 1, 10 to 11:30 a.m.*
INSTRUCTOR: *Julie Kintzi, Senior Gardener at the Woodland Park Rose Garden*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; preregistration required*

Rose gardener Julie Kintzi cares for the 5000 roses at the Woodland Park Rose Garden. In this workshop, students will learn how to prune hybrid tea roses, floribundas and climbers and receive hands-on practice. Topics will include planting basics, recommended rose varieties, least-toxic pest and disease control, and fertilizers. There will be plenty of time for questions. Hand pruners will be provided if you don't own any, but bring gloves to handle the roses. Handouts are included and the Miller Library will be available after class to check out the latest rose catalogs and rose references.

Orchids as Houseplants

DATE AND TIME: *Tuesday, March 11, 7 to 9 p.m.*
INSTRUCTOR: *Rob Lucas, Orchid Grower*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; preregistration required*

So you couldn't resist that orchid at the Flower Show? Proper care will ensure its long life, even in our maritme northwest climate in your home. Orchid grower Rob Lucas raises over 3000 orchids successfully. He will cover basic information such as proper temperature and lighting conditions, repotting techniques and substrate material. Orchids will be available to purchase at the class.

Easy Pruning for Difficult Plants

DATE AND TIME: *Tuesday, March 25, 7 to 9 p.m.*
INSTRUCTOR: *Cass Turnbull, Certified Arborist*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; preregistration required*

Some of our favorite garden plants are also the most difficult to prune. Japanese laceleaf maples, wisteria, rhododendrons, hydrangeas, callicarpa and *Viburnum bodnantense* are some of the plants that require a certain know-how to prune correctly. Cass Turnbull, founder of Plant Amnesty, will cover what will and won't work for each of these plant types. Handouts will be provided.

Turning Twigs into Trellises

DATE AND TIME: *Saturday March 15, 9 a.m. to 1 p.m.*
INSTRUCTOR: *Judy Zugish, co-owner of Fishsticks Basketry School in Marysville, WA*
LOCATION: *Douglas Classroom, CUH*
FEE: *$45*

Trellises, archways, wattle fences and those lovely woven garden designs that you've admired on garden tours can now be yours. Through lecture, demonstration and hands-on practice, students will learn what plants are best to use, how to create the basic weaving patterns and how these become garden structures, archways, conicals and furniture. Workshop instructor is Judy Zugish, co-owner of Fishsticks Basketry and owner of Bouquet Banque Nursery, who has taught for many years how to create the garden structures that she uses in the nursery. Bring a bundle of fruit tree whips, willow rods or hazel sticks if available; Alba willow plants and other cuttings will also be provided. Bring hand pruners, loppers, and gloves; and dress for the weather since part of this workshop will be held outdoors on the CUH grounds.

practical gardening lectures

These lectures and demonstrations for beginning gardeners are planned jointly with the WSU Cooperative Extension Community Horticulture Program. They are presented by Cooperative Extension staff and experienced WSU Master Gardeners.

Buying Plants Overseas

DATE AND TIME: *Thursday March 20, 7 to 9 p.m.*
INSTRUCTOR: *Judy Macias, Botanist with the USDA Plant Inspection Station, Seattle*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; preregistration required*

What are the rules regarding bringing plants into the U.S. from overseas? How to package and ship plants? What forms need to be filled out at either end, what are the CITES (endangered species) regulations and what plants are allowed or not allowed? These and a host of other questions will be answered by Judy Macias, botanist at the plant inspection station in Seattle. Now go shopping at your favorite overseas nursery!

Drought Tolerant Grasses for the Garden

DATE AND TIME: *Thursday March 27, 7 to 9 p.m.*
INSTRUCTOR: *Eric Nelson, Master Gardener*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; preregistration required*

Grasses in the landscape add texture, contrast and year-round interest. Eric Nelson lectures frequently on ornamental grasses for Pacific Northwest gardens, having grown 143 species (including 108 species of bamboo) in his Fremont garden. He will discuss plant selection, maintenance, habits and landscape applications of these drought-tolerant yet designer-worthy plants.

Bringing Your Lawn to Life

DATE AND TIME: *Tuesday, March 6, 7 to 8:30 p.m.*
INSTRUCTOR: *Ciscoe Morris, Master Gardener, radio and TV garden show host*
LOCATION: *Douglas Classroom, CUH*
FEE: *$10; preregistration required*

Good cultural practices done in Spring can keep your lawn looking healthy and green throughout the summer. Ciscoe Morris will walk you through basic lawn care techniques, but will also talk about the steps required to renovate a lawn that is too far gone to bring back gradually. He will also cover alternatives to lawns for those who just want to give up completely. As Ciscoe says, "Everything you need to know about your lawn: start it, fix it, or end it."

youth and family programs

For more information or to schedule any of the following programs, please contact the Arboretum Education Office, Monday through Friday, 8 a.m. to 5 p.m. at 206-543-8801.

Arboretum Family Packs

Investigate the wonders of the Arboretum using the self-guided pack program. Arboretum packs come with easy-to-follow activities, maps, field guides, games and more. Family Packs are designed for groups of five or fewer. They are available year-round from 10 a.m. to 3 p.m. at the Graham Visitors Center Front Desk. A two-hour rental fee is $5. FREE to Arboretum Foundation Members and Arboretum Guides.

FAMILY TREE PACK (Grades K-3) Investigate the wonders of a living museum. Focus on leaves, buds, flowers, fruit and bark. Learn about pollination by doing it yourself!

WETLAND WONDERS (Grades K-3) Take a safari to Foster and Marsh Islands along the Waterfront Trail. Go on a wetland scavenger hunt, collect aquatic insects and play games that help to demonstrate why wetlands are important. Pack comes with binoculars!

Self-Guided Learning Opportunities

Use the Arboretum as your outdoor classroom. This 230 acre, centrally located urban forest offers a wealth of study materials and experimental opportunities. Education Department staff will assist you in planning your visit by offering information on specific subject areas and plant collections free of charge. We request that all self-guided tours first check in by calling 206-543-8801 so that we can help to suit your group's needs.

Arboretum Explorer Packs

Great for scouts, camps, daycare and other youth groups. Lead your own group on an exploration of this 230-acre living museum. Explorer Packs are filled with fun activities, games, maps and equipment for investigating. Explorer Packs are available year-round from 10 a.m. to 3 p.m. with a required two-week pre-registration. A two-hour rental fee is $15. Explorer Packs are designed for 15 kids working individually or for 30 kids working in pairs.

TREE-TECTIVE Come sleuthing in the Arboretum and learn amazing facts about trees. This pack includes hand lenses, magnifiers, field guides, games and even "tree cookies!"

MARSH MADNESS Investigate the amazing critters and plants that make the wetland their home. This pack includes dip nets, aquaria, field guides, scavenger hunts and more.

Saplings School Programs

Explore the Arboretum with trained guides! School tours are Monday through Friday, 10 to 11:30 a.m. The cost is $2.50 per child (chaperones are free). Two adult chaperones per 15 children are required. Scholarships are available. All of Saplings' curricula are aligned with the state's Essential Academic Learning Requirements. Please remember to book your reservations at least three weeks in advance.

Grades K-2: Discover Plants

Younger students gain exposure to the wonderful world of plants by using characteristics to categorize living things. Students will compare and contrast similarities between plants and people as they learn what each needs to grow and be healthy.

Saplings School Programs, continued...

Grades 3-6: Spring Sprouts (April - June)
What is the reason for a flower? Plan now for this spring program as you discover the secrets of springtime while learning about the life cycle of plants from flower to fruit. Perpetuate the cycle by planting seeds of your own to take home!

Grades 3-8: Native Plants & People
What is a native plant? Students will learn to identify several northwest native plants. Discover the historical importance of native plants to the Coast Salish people. Students will learn how native plants were used in daily life through discussion, by using hands-on artifacts and role-playing activities.

Grades K-3: Wetland Ecology Walk, Focus on Habitats
Explore the flora and fauna on Foster Island as you learn about who lives in the Arboretum's unique urban wetland. Learn first hand about various habitats around the Arboretum.

Grades 4-8: Wetland Ecology Walk, Focus on Ecosystems
Investigate the complex world of a wetland ecosystem. Foster Island provides a unique opportunity for students to study an urban wetland up close and discover the importance and functions of wetlands.

Grades 4-6: Rain Forests
Students will identify the four layers of a rain forest and learn why rain forests are important. Students will also investigate the properties of soil as they compare and contrast temperate and tropical rain forest ecosystems. Take a rain forest walk and observe arboretum species similar to tropical species in behavior or appearance.

arboretum guided tours

Enjoy the seasonal splendor of the Arboretum. Take a walk in the Winter Garden. Enjoy the fragrance of sarcococca and witch hazel and maybe even see some hummingbirds. Tours are led by trained Arboretum guides and last from 60 to 90 minutes. Topics include plants of seasonal interest, Foster Island ecology, native plants, and ethnobotany. Tours are available year-round between 10 a.m. and 3 p.m., seven days a week. Fees are $15 per group of 15. $10 for Arboretum Foundation members. Call 206-543-8801 to reserve a guide; three weeks advance reservation required.

Weekend Walks at One

Weekend walks highlight areas of the Arboretum and collections with seasonal interest. Walks depart from Graham Visitors Center the first Sunday of the month at 1 p.m. Call ahead to ensure a weekend tour, 206-543-8801.

FOR WINTER 2003

Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

Orchid Society, 7 p.m., CUH

NHS Lecture, 7:30 p.m., CUH

Rock Garden Society, 6:30 p.m., CUH
Audubon Society, 7 p.m., CUH

Orchid Society, 7 p.m., CUH

P.S. Mycological Society, 7:30 p.m.,CUH

Cascade Cactus and Succulent Society, 2 p.m.,CUH

Seattle Rose Society, 7:30 p.m., CUH

Assoc. for Women in Hort., 6:30 p.m., CUH
Plant Shopping Made Easy, 7 p.m., CUH

Geology and Plant Life, 7 p.m., CUH

Northwest Perennial Alliance, 1:00 p.m., CUH

Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

Butterfly Association, 7 p.m., CUH

Botanical Illustration-part 1, 7 p.m., CUH

Orchid Society, 7 p.m., CUH

P. S. Mycological Soc., 7:30 p.m., CUH

NHS Lecture, 7:30 p.m., CUH

Rock Garden Society, 6:30 p.m, CUH
Botanical Illustration-part 2, 7 p.m., CUH

Heronswood Open, Heronswood Nursery,
Kingston, WA
Tour of WPA Winter Garden, 10 a.m., WPA

Cascade Cactus and Succulent Society, 2 p.m., CUH

Seattle Rose Society, 7:30 p.m., CUH

Audubon Society, 7 p.m., CUH

NW Flower and Garden Show

CUH's Healthy Garden Symposium, 9:45 a.m.,
WA State Convention Center

Seattle Tree Fruit Society, 9:30 a.m.,CUH

Bonsai Association, 7 p.m., CUH

Assoc. for Women in Hort, 6:30 p.m., CUH

Botanical Illustration-part 3, 7 p.m., CUH

Rose Pruning Workshop, 10 a.m., CUH

Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

Butterfly Association, 7 p.m., CUH

Botanical Illustration-part 4, 7 p.m., CUH
Bringing Your Lawn to Life, 7 p.m., CUH

Orchid Society, 7 p.m., CUH

Orchids as Houseplants, 7 p.m., CUH

NHS Lecture, 7:30 p.m., CUH

Rock Garden Society, 6:30 p.m., CUH
Botanical Illustration-part 5, 7 p.m., CUH

P. S. Mycological Society, 6:30 p.m., CUH
Willow Workshop, 9 a.m., CUH

Northwest Perennial Alliance, 1 p.m., CUH
Cascade Cactus and Succulent Society, 2 p.m., CUH

Seattle Rose Society, 7:30 p.m., CUH

Buying Plants Overseas, 7 p.m., CUH

Fuchsia Society, 9:00 a.m., CUH

Bonsai Association, 7:00 p.m., CUH

Assoc. for Women in Hort, 6:30 p.m., CUH
Easy Pruning for Difficult Plants, 7 p.m., CUH

Drought Tolerant Grasses, 7 p.m., CUH

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27		29		31	

FEBRUARY

S	M	T	W	T	F	S
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2	3	4	5		7	8
9	10	11	12		14	
16	17	18				
	24	25	26		28	

MARCH

S	M	T	W	T	F	S
2	3	4	5		7	8
9	10		12		14	
16	17	18	19		21	22
23	24		26		28	29
30	31					

FOR CLASSES AND PROGRAMS

To Register: Please complete and return the registration form, along with your payment to the Center for Urban Horticulture.

Refunds: Requests for refunds on events not attended must be made in advance in writing, by phone, fax, or in person. Requests received fewer than 7 days from the first class meeting have a 25% handling fee deducted. No refunds can be made after the first class meeting. If a program is cancelled for any reason, a full refund will be made to all enrollees. Refunds may take four weeks to process.

Returned Checks: An $18 service fee will be charged for returned checks.

Special Needs: To request disability accommodation, please contact the Disability Services Office at least ten days in advance of an event: 206-543-6450 (voice); 206-543-6452 (TTY); or by e-mail at *dso@u.washington.edu*.

Class Locations and Parking: Program locations are listed with each program description. The Graham Visitors Center at Washington Park Arboretum is located at 2300 Arboretum Drive East. Douglas Classroom, NHS Hall and the other meeting facilities at Union Bay are located at 3501 N.E. 41st Street. Prepaid parking is located adjacent to the buildings.

Center for Urban Horticulture
3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115
206-543-8616 (phone)
206-685-2692 (fax)
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Washington Park Arboretum
2300 Arboretum Drive East
Box 358010
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206-543-8800 (phone)
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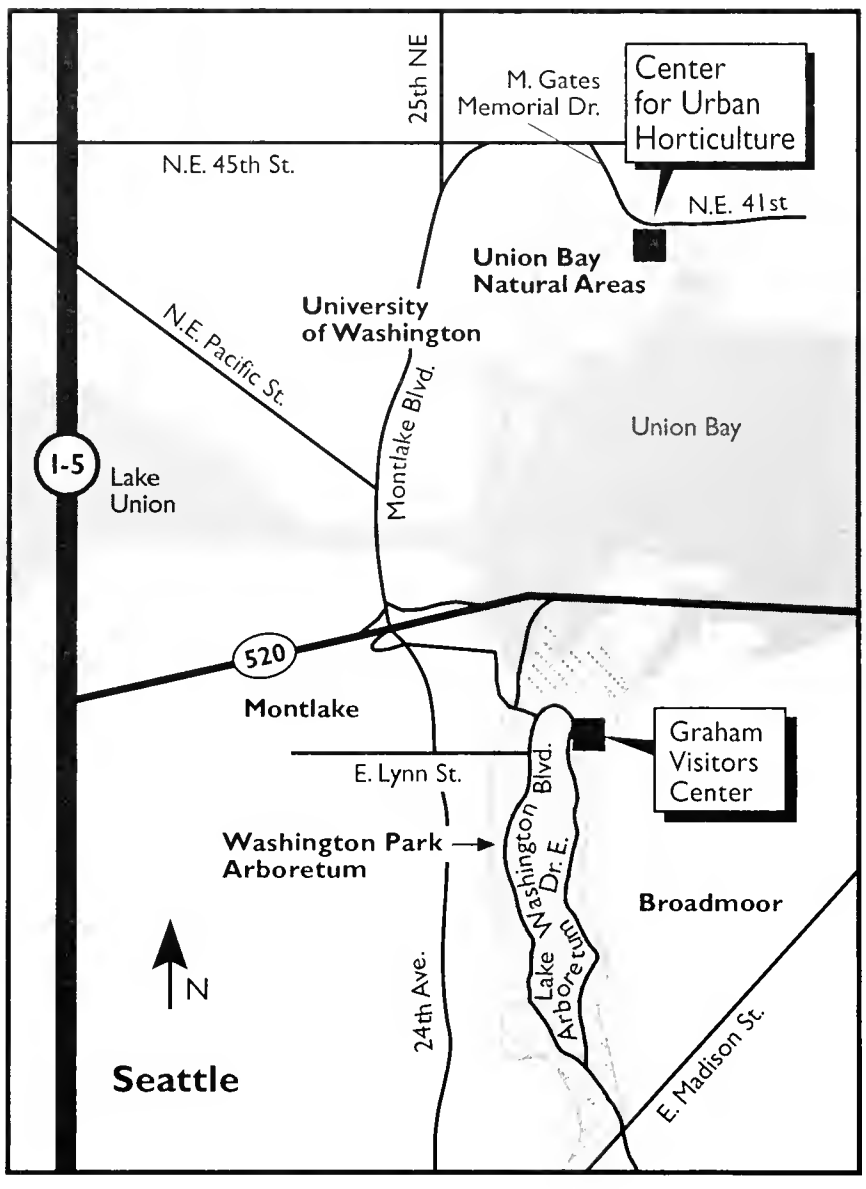

PROGRAM	FEE	AF MEMBERS	# PEOPLE	TOTAL FEE
HORTICULTURE PROGRAMS AT CUH & WPA				
Plant Shopping Made Easy	$25	$22		
Geology and Plant Life	$20			
Botanical Illustration - Drawing	$110			
Rose Pruning Workshop	$25	$22		
Orchids as Houseplants	$25	$22		
Easy Pruning for Difficult Plants	$25	$22		
Turning Twigs into Trellises	$45	$45		
Buying Plants Overseas	$25	$22		
Drought Tolerant Grasses for the Garden	$25	$22		
PRACTICAL GARDENING LECTURES				
Bringing Your Lawn to Life	$10	$10		

TOTAL FEE $

PAYMENT

☐ Check (payable to *University of Washington*) ☐ Visa ☐ MasterCard ☐ American Express

CREDIT CARD NUMBER EXPIRATION DATE

NAME ON CARD

GENERAL INFORMATION

NAME

ADDRESS CITY STATE ZIP

DAY PHONE EVENING PHONE

FAX EMAIL

Mail payment and registration to:
Urban Horticulture Courses
University of Washington
Box 354115
Seattle, WA 98195-4115

You may also register in person at:
Union Bay campus
3501 NE 41st Street
Mon.–Fri., 8:30 a.m. to 5:00 p.m.

Registrations are filled in the order received. Enrollment is limited. Classes fill rapidly, so register early.

CENTER *for* URBAN HORTICULTURE

director's notes

It is with strong regret that I announce the resignation of Valerie Easton, manager of the Elisabeth C. Miller Library. She began work at CUH in June of 1985, the same month the library opened. Material for the library came from boxes of books stored at the Washington Park Arboretum and old and rare books from Suzzallo. Over the intervening 18 years, space allocated to the library has increased over five-fold, as have the collections of books and journals. Now in place are several endowments for library funding, thanks to the Miller Foundation, The Northwest Horticultural Society, and Val's efforts to generate support from the wider horticultural community.

A state-of-the-art web page and the Plant Answer Line were newly in place when the fire destroyed the Miller Library and Merrill Hall in 2001. Val saw the library through the cleanup after the fire, subsequent recovery, re-design and extensive expansion. The Elisabeth C. Miller Library was transformed from a dream of Mrs. Miller into the premier horticultural library it is today, and Val Easton deserves recognition for her outstanding leadership through the years.

Brian Thompson will serve as interim library manager. Once the new library is under construction, a nationwide search will be held to fill the position on a permanent basis. Best wishes to Val from all of us at CUH!

TOM HINCKLEY, PhD, DIRECTOR, CENTER FOR URBAN HORTICULTURE

UNIVERSITY OF WASHINGTON
CENTER FOR URBAN HORTICULTURE

The CUH mission is "to apply horticulture to natural and human-altered landscapes to sustain natural resources and the human spirit."

- **Continuing and Public Education**
- **Douglas Research Conservatory**
- **Elisabeth C. Miller Library**
- **Otis Douglas Hyde Herbarium**
- **Undergraduate and Graduate Education**
- **Union Bay Gardens and Natural Area**
- **Rare Plant Care and Conservation**
- **Sustainable Community Landscapes**
- **Washington Park Arboretum**

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URBAN HORTICULTURE NEWSLETTER, VOL. 20, NO. 1

CUH/WPA Continuing & Public Education Staff:
Sue Nicol, Outreach Coordinator
Jean Robins, Outreach Program Coordinator
Sandy Kirchner, Assistant Outreach Coordinator
Shawna Zuege, Arboretum Education Assistant

CUH/WPA Building & Rentals Management Staff:
Becky Johnson, CUH Facilities Manager
Ray Larson, CUH Facilities Coordinator
Brett Mercier, WPA Building Services Coordinator

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